

ABSTRACT OF THE DISCLOSURE

A controller for a moisture adjusting device of the present invention reads out a target moisture content set in advance in a data table in accordance with a type of a planographic printing plate; determines, every predetermined control period, a moisture content of an overcoat layer (measured moisture content) based on a measured signal SW; and calculates a difference (deviation) between the measured moisture content and the target moisture content. For example, if the measured moisture content of the overcoat layer is lower than the target moisture content, the controller sets an adjusted moisture content which is higher than the measured moisture content and controls the humidity and the temperature within a humidity conditioning zone so that an interposing paper web (protective sheet material) attains the adjusted moisture content within the humidity conditioning zone.